

UNIVERSITY OF VICTORIA
DEPARTMENT OF PSYCHOLOGY

PSYCHOLOGY 351B (A01) • Winter (Fall) Term, 2016
Human Neuropsychology

Time: Mondays and Thursdays (MR) - 11:30am to 12:50pm
Room: COR B108
Instructor: Justin E. Karr, M.Sc.
Office: Cornett A215
Office hours: Mondays, 5pm to 6pm
E-mail: jkarr@uvic.ca

PLEASE NOTE: I will only respond to emails that begin their subject line with **PSYC351B**. As I receive many emails per day, this is the best method to ensure that I see your email in my inbox.

Teaching Assistant: Dustin van Gerven, M.Sc. E-mail: dustinvg@uvic.ca (Office hours by appt. only)

About this Class:

Course Description: An introduction to neuropsychology, including a review of neuroanatomy and neurophysiology as related to human brain function and behavior. Contributions of experimental and clinical neuropsychology to the understanding of normal cognitive and affective functioning and of disturbances resulting from brain damage in selected areas will be discussed.

Prerequisites: The pre-requisites for this course are Psyc 201, 210, and 251 or Psyc 100A, 100B, and 215A. Students who remain in courses for which they do not have the prerequisites do so at their own risk. Those who complete courses without prerequisites are not exempt from having to complete the prerequisite course(s) at some later date if such courses are required for the degree program.

Course Add Deadline: Students are responsible for checking their registration status before the end of the course-add period; students will not be added after this deadline. It is each student's responsibility to check and ensure that s/he is registered appropriately. Last day for withdrawing from first-term courses without penalty of failure is Monday October 31, 2016.

Textbook: Kolb, B. & Whishaw, I. Q. (2015). *Fundamentals of Human Neuropsychology*. 7th Edition. NY: Worth. Students may choose to use the 6th edition (2009) under their own responsibility to acquire updated content and identify the readings.

Course Objectives:

1. To demonstrate understanding of the historical pillars, models, and methods in human neuropsychology.
2. To demonstrate understanding of the neurological correlates underlying a diversity of cognitive functions.
3. Finally, to demonstrate competency in discussing and differentiating neuropsychological disorders across the lifespan.

Course Requirements:

1. Please come prepared with any questions that you might have regarding the readings and to actively participate in class discussions. To come prepared means: (a) reading the material prior to class and writing down questions or thoughts that the readings instigated, and (b) bringing experiences acquired outside the class, for instance while doing your own research or attending other classes, to enhance your peers' learning process. As this is a survey course, we will move on quite fast from one topic to the next. The goal is to offer you a broader perspective into the field of human neuropsychology. You will have the opportunity to gain a deeper understanding of some of these topics in the advanced special topics seminars.

2. Examinations are an opportunity for you to display your knowledge and to think in a constructive way about your readings and class discussion. There are three examinations and I expect you to prepare for those and to show up of course! 😊
3. Online assignments will be brief evaluations that apply your understanding of neuropsychology in real-life scenarios. These activities should help you integrate and consolidate the information that you acquire through lectures and readings.

Evaluation and Grading Policy

Grading in this class is based on a point system that is then converted into the University standard grading system. Every student has the opportunity to earn up to 100 points. These points are distributed as follows:

First Exam (October 17, 2016) =	30 points (30%)
Second Exam (November 14, 2016) =	35 points (35%)
Third Exam (December 1, 2016) =	15 points (15%)
Online Assignments =	<u>20 points (20%)</u>
Total	100 points (100%)

The final letter grade in the course will be based on the total of points earned during the semester, as follows:

A+	9	(Outstanding scholarship) =	90 - 100 points	90-100%
A	8	(Excellent scholarship) =	85 - 89 points	85-89%
A-	7	(Very good scholarship) =	80 - 84 points	80-84%
B+	6	(Good scholarship) =	77 – 79 points	77-79%
B	5	(Steady performance) =	73 – 76 points	73-76%
B-	4	(Good knowledge) =	70 – 72 points	70-72%
C+	3	(Satisfactory) =	65– 69 points	65-69%
C	2	(Minimally satisfactory) =	60 – 64 points	60-64%
D	1	(Marginal performance) =	50 – 59 points	50-59%
F/N	0	(Failing grade) =	0 -49 points	≤ 49%

In-Class Examinations

I want you to be able to use this material later in your career, rather than just for the term. In this regard, the exams may include multiple choice questions or True/False statements aiming at making you think and not just to exercise your memory. I like questions that stimulate critical thinking, while evaluating basic knowledge. There are three exams, and you can earn a maximum of 80 points towards your course mark. More information about these examinations will be forthcoming throughout the term.

Online Assignments

The online entries (in CourseSpaces, and with a max. of 400-500 words) aim to make you think for a moment about your readings and information beyond the textbook; some are based on literature search, others are to be completed identifying evidence-based research. There will be 4 of them during the term, each one worth 5 points, for a maximum of 20 points. A detailed rubric for each one of them will be posted in CourseSpaces. The due dates are listed in the Tentative Class Schedule below. The assignments must be submitted online by 11:59 p.m. PST on each due date.

Opportunity for Extra Credit

Students in this course may earn up to 2% extra credit (2 points) toward their final grade by participating in research studies conducted in the Department of Psychology. Each 15 minutes of participation will earn 0.5 credit and up to 4 credits may be counted toward this course, with 2 credits required for a 1% (1 point) increase in the student's final grade. Thus, two hours of participation would earn the full 2% extra credit. For details on participating in research studies, go to the Department of Psychology web site (web.uvic.ca/psyc), click on the Research link near the top of the page, then click on the Participant Pool link at the left of the new page to see instructions for participating in the system. You must be sure to assign your credits to this course (and this section of the course) no later than the last day of class, otherwise you will not receive extra credit.

Article reviews as an alternative to participation in research

Students are not required to participate in research, and not all students wish to do so. As an alternative, students may instead opt to gain research experience by writing reviews (2 pages double spaced) of journal articles reporting original research relevant to the course. Each review will be worth 1% of extra credit and a maximum of 2 reviews will be accepted. The course instructor will specify suitable journal sources. You must obtain approval from the instructor for the article you have chosen before writing a review. To receive credit, you must follow these guidelines:

- If you wish to select this option, you must notify the course instructor no later than October 6, 2016.
- Completed reviews must be submitted in printed form no later than the last day of class in this course. Late submissions and electronic submissions will NOT be accepted under ANY circumstances.
- Reviews must be typed.
- Fully identify the title, author(s), source, and year of the article. A copy of the article must be attached to the review.
- Clearly summarize the psychological concepts in the article, the reported results, and the implications of the results. Critically evaluate the application or treatment of the concepts in the article. If you discover something that is incorrect, identify the error and its implications for the validity of the article. You may find, for example, misleading headings, faulty research procedures, alternative explanations that are ignored, failures to distinguish factual findings from opinions, faulty statements of cause-effect relations, errors in reasoning, etc.
- Keep a copy of your review in the unlikely event that we misplace the original.

Some important housekeeping rules:

Students are expected to familiarize themselves with the Important Course Policy Information (attached) and are responsible for checking and correcting their registration status before the Add/Drop deadlines. The University of Victoria and this course instructor are committed to promoting, providing and protecting a positive, supportive and safe learning environment for all its members, including the students enrolled in this class. If at any time you have questions or concerns or comments, please bring these to the attention of the course instructor in class, by email, or in an individual meeting. Please consult the University of Victoria Calendar for confirmation of other important dates and deadlines.

It is the student's responsibility to attend exams as scheduled. Missed exams with a valid reason will be made up during the Friday immediately following the exam date, or with a written 20-page paper on an assigned topic. Students who miss the final exam due to illness, accident, or a family affliction must apply at Records Services for a "Request for Academic Concession" within 10 working days of the exam date. Missed exams without a valid reason will result in a score of zero for that test. You should notify the instructor immediately by e-mail.

Tentative Class Schedule¹

Date	Topic	Reading - Chapter
September 8	Introduction to the Course – What is Neuropsychology?	
September 12	History and Development of Neuropsychology	1
September 15, 19, 22, 26	Organization of the Nervous System: Review of Neuroanatomy	3; 5 (sections 5.5 - 5.7) 10 (section 10.3) 8 (section 8.2)
September 29, October 3	Cortical Organization: Motor Systems	9
October 6	Research Methods in Neuropsychology: Imaging the Brain	7

October 10	No Class: Thanksgiving	
October 13	Cont: Research Methods in Neuropsychology: Imaging the Brain (Online Assignment 1: Due Friday October 14th)	7
October 17	Exam 1 (chapters 1, 3, 5 [5.5-5.7], 7, 8 [8.2], 9 & 10 [10.3])	
October 20 & 24	Occipital, Parietal, and Temporal Lobes Agnosias & Apraxias (Online Assignment 2: Due Monday October 24th)	13-14; 15 (sections 15.1-15.2)
October 27	Frontal Lobes, Prefrontal Cortex, and Executive Functioning (Guest Lecture: Mauricio A. Garcia-Barrera, Ph.D.)	16 & Article: Jurado & Rosselli (2007) ²
October 31	Emotion and the Social Brain (Guest Lecture: Dustin van Gerven, M.Sc.)	20
November 3	Attention, Learning & Memory (Guest Lecture: Dustin van Gerven, M.Sc.)	18 22 (sections 22.1-22.3)
November 7	Language & Aphasia (Online Assignment 3: Due Monday November 7th)	19
November 10	Reading Break	
November 14	Exam 2 (chapters , 13, 14, & 15, 16, 18, 19, 20, & 22; Jurado & Roselli [2007] article)	
November 17	Brain Development (video) Neurodevelopmental Disorders, Aging and Dementias	23 (sections 23.1-23.5) 24 (section 24.3) 27 (section 27.8)
November 21	Neurological Disorders	26
November 24	Neuropsychological Assessment and Diagnosis	28
November 28	Topic: TBD (Online Assignment 4: Due Monday November 28th)	
December 1	Exam 3 (chapters 23 [23.1-23.5], 24 [24.3], 26, 27 [27.8], & 28)	

¹ Note: This is a tentative schedule only: the instructor reserves the right to change the topics and exam dates.

² Jurado, M. B., & Rosselli, M. (2007). The elusive nature of executive functions: a review of our current understanding. *Neuropsychology review*, 17(3), 213-233. Available for full text download online at UVic's library website [library.uvic.ca]

UNIVERSITY OF VICTORIA
Department of Psychology
Important Course Policy Information
Winter 2016-2017

Prerequisites

Students who remain in courses for which they do not have the prerequisites do so at their own risk. Students who complete courses without prerequisites ARE NOT exempt from having to complete the prerequisite course(s) if such courses are required for the degree program.

Program Requirements

For more information see pages 383-386 of the UVic Calendar 2016-17.

Registration Status

Students are responsible for verifying their registration status. Registration status may be verified using My Page, View Schedule. Course adds and drops will not be processed after the deadlines set out in the current UVic Calendar.

Commitment to Inclusivity and Diversity

The University of Victoria is committed to promoting, providing and protecting a positive and supportive and safe learning and working environment for all its members.

In the Event of Illness, Accident or Family Affliction (See UVic Calendar, 2016-17, p. 59-60)

- ***What to do if you miss an exam other than one scheduled during the formal examination period***

Do not apply at Records Services for a "Request for Academic Concession". Instead submit documentation of the illness, accident or family affliction directly to your course instructor (or designated teaching assistant).

- ***What to do if you miss an exam scheduled during the formal exam period***

Apply at Records Services for a "Request for Academic Concession", normally within 10 working days of the end of the formal examination period. Records Services will forward the form to the instructor. If the concession is granted the instructor will determine how to deal with the situation (for example, a deferred exam). Where a concession is not applied for or where such application is denied, an N grade will be entered on the student's academic record.

OR, you can download the Request for Academic Concession form here:

<http://www.uvic.ca/registrar/assets/docs/record-forms/rac.pdf>

- ***What to do if you require additional time to complete course requirements***

Apply at Records Services for a "Request for Academic Concession", normally within 10 working days of the end of the formal examination period. Records Services will forward the form to the instructor. If the concession is granted the instructor will determine how to deal with the situation. Where a concession is not applied for or where such application is denied, an N grade will be entered on the student's academic record.

OR, you can download the Request for Academic Concession form here:

<http://www.uvic.ca/registrar/assets/docs/record-forms/rac.pdf>

Policy on Academic Integrity Including Plagiarism and Cheating

The Department of Psychology fully endorses and intends to enforce rigorously the Senate Policy on Academic integrity (<http://web.uvic.ca/calendar2016-09/undergrad/info/regulations/academic-integrity.html>), p. 55-58, UVic Calendar 2016-17). It is of utmost importance that students who do their work honestly be protected from those who do not. Because this policy is in place to ensure that students carry out and benefit from the learning activities assigned in each course, it is expected that students will cooperate in its implementation.

The offences defined by the policy can be summarized briefly as follows:

1. **Plagiarism.** You must make sure that the work you submit is your work and not someone else's. There are proper procedures for citing the works of others. The student is responsible for being aware of and using these procedures.
2. **Multiple Submission.** Only under exceptional circumstances may a work submitted to fulfill an academic requirement be used to satisfy another similar requirement. The student is responsible for clarifying this with the instructor(s) involved.
3. **Falsifying Materials Subject to Academic Evaluation.** This includes falsification of data, use of commercially prepared essays, using information from the Internet without proper citation, citing sources from which material is not actually obtained, etc.
4. **Cheating on Assignments, Tests, and Examinations.** You may not copy the work of others in or out of class; you may not give your work to others for the purpose of copying; you may not use unauthorized material or equipment during examinations or tests; and you may not impersonate or allow yourself to be impersonated by another at an examination. The Department of Psychology has a policy of not making old examinations available for study purposes. Therefore, use of old exams without the express written permission of the instructor constitutes cheating by the user, and abetting of cheating by the person who provided the exam.
5. **Being an Accessory to Offences.** This means that helping another student to cheat (for instance, by showing or communicating to them answers to an assignment, or by allowing them to view answers on an exam) is an academic offence.

Instructors are expected to make every effort to prevent cheating and plagiarism. This may include the assignment of seating for examinations, asking students to move during examinations, requests to see student identification cards, and other measures as appropriate. Instructors also have available to them a variety of tools and procedures to check for Internet and electronic media-based cheating. In instances of suspected or actual plagiarism or cheating, instructors, following prescribed procedures, are authorized to take steps consistent with the degree of the offence. These measures will range from a zero on the test or assignment or a failing grade for the course, probation within a program to temporary or even permanent suspension from the University.

Rights of Appeal are described in the Policy on Academic Integrity in the University calendar (on p. 55-58 in 2016-17).

The definitive source for information on Academic Integrity is the University Calendar (p. 55-58 in 2016-17) (<http://web.uvic.ca/calendar2016-09/undergrad/info/regulations/academic-integrity.html>)

Other useful resources on Plagiarism and Cheating include:

1. The Learning Skills program: <http://www.coun.uvic.ca/learning/index.html>
2. The Ombudsperson's office: <http://www.uvss.uvic.ca/ombudsperson/pubsguides/plagiarism.pdf>